

TECHNICAL SPECIFICATION: GHOST DICTATE UNIVERSAL ACTUATION

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Proprietor: Martin Savale | **Entity:** Meta Guinea Ghost Ltd

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1.0 ABSTRACT

Ghost Dictate is a nomenclature-fixed actuation engine utilizing a **Dual-Path Asymmetric Neural Network**. It is designed to resolve the "Expression Gap" by prioritizing proprietary tokens via the **Single-Input Retention (SIR) Protocol** and capturing low-decibel phonetic patterns (**20-40dB "Midnight Whispers"**) through high-resolution spectral analysis.

2.0 TECHNICAL ARCHITECTURE

2.1 Path A: Fricative-Weighted Acoustic Branch

- 128-Channel Mel-Filterbank:** Optimized gain-weighted emphasis between 2kHz and 8kHz to capture whisper-level fricatives.
- Asymmetric Gain Normalization:** A non-linear algorithm that treats low-decibel input with the same neural weight as projected speech (60-70dB) without increasing the ambient noise floor.

2.2 Path B: Single-Input Retention (SIR) Protocol

- Logic:** A manual correction by a user triggers a **10x Weighting Coefficient** for that specific phonetic token.
- Nomenclature Locking:** The term is moved from a "Probabilistic" state to a "Fixed Actuation" state for the duration of the document session, ensuring 0% redundant error for proprietary terms.

3.0 ECOSYSTEM HARDWARE INTEGRATION

- Hawk AI (Scout):** Provides **Visual Lip-Sync Steering** via LED-ring triangulation to guide acoustic beamforming focal points.
- The Pulse Button:** Physical **Interrupt Trigger** that flags the previous 5 seconds of audio for immediate SIR correction and haptic confirmation.

- 3 **Dragon Chip Ghost AMP:** Provides a **360Hz Master Timebase** to ensure <40ms latency between voice input and visual manifestation.
- 4 **Ghost Roll-Flexi Screen:** Real-time visual display with color-coded confidence scores for unverified nomenclature.
- 5 **birds-I-view App:** Securely syncs the proprietary SIR Dictionary across all authorized hardware via AES-256 encrypted MQTT protocols.

4.0 DEFENSIVE PRIOR ART CLAIMS

- **Claim 1:** A method for speech recognition prioritizing user-corrected tokens via an asymmetric weighting coefficient (SIR Protocol) over dictionary probability.
- **Claim 2:** An acoustic preprocessing pipeline utilizing 128-channel Mel-filterbanks specifically tuned for <40dB whisper detection and fricative resolution.
- **Claim 3:** A multi-modal synchronization protocol where visual lip-tracking data from a secondary spatial device (Scout) steers the microphone array's focal point.
- **Claim 4:** A data arbitration system utilizing a 360Hz master clock to synchronize haptic, visual, and vocal data streams for real-time creative actuation.

AUTHORED BY: Martin Savale

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NOTICE: This document establishes global Prior Art. Any subsequent patent filings by third-party entities regarding these specific methodologies are contested under international IP law.